



DATE: 04/02/2003

TIME: 12:26:48

Output Set: N:\CRF4\04022003\J069723A.raw

P. 6

ENTERED

## RAW SEQUENCE LISTING

DATE: 04/02/2003

PATENT APPLICATION: US/10/069,723A

TIME: 12:26:48

Input Set : A:\73872613.app

Output Set : N:\CRF4\04022003\J069723A.raw

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69 <400> SEQUENCE: 4
70 accacagacgt gctcagtgtg
71 <110> SEQ ID NO: 5
72 <110> LENGTH: 14
73 <110> TYPE: DNA
74 <110> ORGANISM: Artificial Sequence
75 <110> FEATURE:
76 <110> OTHER INFORMATION: Description of Artificial Sequence: Primer
81 <400> SEQUENCE: 5
82 actacacacgt ccacacacac
83 <110> SEQ ID NO: 6
84 <110> LENGTH: 14
85 <110> TYPE: DNA
86 <110> ORGANISM: Artificial Sequence
87 <110> FEATURE:
88 <110> OTHER INFORMATION: Description of Artificial Sequence: Primer
91 <400> SEQUENCE: 6
92 actacagaca ttatattg
93 <110> SEQ ID NO: 7
94 <110> LENGTH: 14
95 <110> TYPE: DNA
96 <110> ORGANISM: Artificial Sequence
97 <110> FEATURE:
98 <110> OTHER INFORMATION: Description of Artificial Sequence: Primer
101 <400> SEQUENCE: 7
102 actacacacgt ccagtcat
103 <110> SEQ ID NO: 8
104 <110> LENGTH: 14
105 <110> TYPE: DNA
106 <110> ORGANISM: Artificial Sequence
107 <110> FEATURE:
108 <110> OTHER INFORMATION: Description of Artificial Sequence: Primer
111 <400> SEQUENCE: 8
112 actacacacgt ccacacacg
113 <110> SEQ ID NO: 9
114 <110> LENGTH: 14
115 <110> TYPE: DNA
116 <110> ORGANISM: Artificial Sequence
117 <110> FEATURE:
118 <110> OTHER INFORMATION: Description of Artificial Sequence: Primer
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122 agatgcat ttgtccag
123 <110> SEQ ID NO: 10
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125 <110> TYPE: DNA
126 <110> ORGANISM: Artificial Sequence
127 <110> FEATURE:
128 <110> OTHER INFORMATION: Description of Artificial Sequence: Primer
131 <400> SEQUENCE: 10
132 agatgcat ttgtccag
133 <110> SEQ ID NO: 11
134 <110> LENGTH: 14
135 <110> TYPE: DNA
136 <110> ORGANISM: Artificial Sequence
137 <110> FEATURE:
138 <110> OTHER INFORMATION: Description of Artificial Sequence: Primer
141 <400> SEQUENCE: 11

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142 agtatggcag atttcattg 18
145 <210> SEQ ID NO: 11
146 <211> LENGTH: 18
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
151 <221> OTHER INFORMATION: Description of Artificial Sequence: Primer
152 <400> SEQUENCE: 11
154 atacctcaaa taatgacac 18
157 <210> SEQ ID NO: 12
158 <211> LENGTH: 18
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
163 <221> OTHER INFORMATION: Description of Artificial Sequence: Primer
164 <400> SEQUENCE: 12
166 atattgcaga ctgacacg 18
169 <210> SEQ ID NO: 13
170 <211> LENGTH: 18
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
175 <221> OTHER INFORMATION: Description of Artificial Sequence: Primer
176 <400> SEQUENCE: 13
178 atctgattt tggactga g 21
181 <210> SEQ ID NO: 14
182 <211> LENGTH: 18
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
187 <221> OTHER INFORMATION: Description of Artificial Sequence: Primer
188 <400> SEQUENCE: 14
190 atgatgaa caacttc 18
193 <210> SEQ ID NO: 15
194 <211> LENGTH: 18
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
199 <221> OTHER INFORMATION: Description of Artificial Sequence: Primer
200 <400> SEQUENCE: 15
202 atattggcct aaacacaaag 20
205 <210> SEQ ID NO: 16
206 <211> LENGTH: 18
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
211 <221> OTHER INFORMATION: Description of Artificial Sequence: Primer
212 <400> SEQUENCE: 16
214 caactccaa atactgac 18

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Input Set : A:\73872613.app

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217 <210> SEQ ID NO: 17
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219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <222> OTHER INFORMATION: Description of Artificial Sequence: Primer
223 <223> SEQUENCE: 17
224 <224> cacttcac 18
225 <210> SEQ ID NO: 18
226 <211> LENGTH: 18
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <222> OTHER INFORMATION: Description of Artificial Sequence: Primer
231 <223> SEQUENCE: 18
232 <224> attcttgg 18
233 <210> SEQ ID NO: 19
234 <211> LENGTH: 18
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <222> OTHER INFORMATION: Description of Artificial Sequence: Primer
239 <223> SEQUENCE: 19
240 <224> attcttga 18
241 <210> SEQ ID NO: 20
242 <211> LENGTH: 18
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <222> OTHER INFORMATION: Description of Artificial Sequence: Primer
247 <223> SEQUENCE: 20
248 <224> gactcttg 13
249 <210> SEQ ID NO: 21
250 <211> LENGTH: 18
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <222> OTHER INFORMATION: Description of Artificial Sequence: Primer
255 <223> SEQUENCE: 21
256 <224> gcttgggc 13
257 <210> SEQ ID NO: 22
258 <211> LENGTH: 18
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <222> OTHER INFORMATION: Description of Artificial Sequence: Primer
263 <223> SEQUENCE: 22
264 <224> gcttgggc 18
265 <210> SEQ ID NO: 23

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```

290 <211> LENGTH: 17
291 <212> TYPE: RNA
292 <213> ORGANISM: Artificial Sequence
293 <214> FEATURE:
294 <215> OTHER INFORMATION: Description of Artificial Sequence: Primer
295 <400> SEQUENCE: 13
296 atggggcagc taattttg 18
301 <210> SEQ ID NO: 14
302 <211> LENGTH: 17
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
305 <214> FEATURE:
306 <215> OTHER INFORMATION: Description of Artificial Sequence: Primer
307 <400> SEQUENCE: 14
308 atgggacagc taattttg 18
313 <210> SEQ ID NO: 15
314 <211> LENGTH: 19
315 <212> TYPE: RNA
316 <213> ORGANISM: Artificial Sequence
317 <214> FEATURE:
318 <215> OTHER INFORMATION: Description of Artificial Sequence: Primer
319 <400> SEQUENCE: 15
320 aaatttcattg gaaagagaa 20
325 <210> SEQ ID NO: 16
326 <211> LENGTH: 18
327 <212> TYPE: RNA
328 <213> ORGANISM: Artificial Sequence
329 <214> FEATURE:
330 <215> OTHER INFORMATION: Description of Artificial Sequence: Primer
331 <400> SEQUENCE: 16
332 aaagagagac gttttttt 18
337 <210> SEQ ID NO: 17
338 <211> LENGTH: 18
339 <212> TYPE: DNA
340 <213> ORGANISM: Artificial Sequence
341 <214> FEATURE:
342 <215> OTHER INFORMATION: Description of Artificial Sequence: Primer
343 <400> SEQUENCE: 17
344 aaaggaactgt atagaaa 18
349 <210> SEQ ID NO: 18
350 <211> LENGTH: 16
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial Sequence
353 <214> FEATURE:
354 <215> OTHER INFORMATION: Description of Artificial Sequence: Primer
355 <400> SEQUENCE: 18
356 gatttttttt tgaattgatt 20
361 <210> SEQ ID NO: 19
362 <211> LENGTH: 18

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/069,723A

DATE: 04/02/2003  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:54; N Pos. 117,205,236,271  
Seq#:55; N Pos. 1,122,424  
Seq#:56; N Pos. 336,346,360,366  
Seq#:59; N Pos. 443  
Seq#:67; N Pos. 8366,8409,8443,8445,8476,8478,8482  
Seq#:83; N Pos. 326,382,388,398,400,459,484,509,514,519,552,560,573,578,602  
Seq#:83; N Pos. 606,608